

PHASE CHART

3	4	7	8	9	10
(R)	(R)	(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)	(G)	(G)

PHASE 1 & 2	G	G	G	G	R	R	←
1 + 2 CHANGE	Y	Y	Y	Y	R	R	→
PHASE 4	R	R	R	R	G	G	↑
4 CHANGE	R	R	R	R	Y	Y	↓
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	↕

PROJECT DESCRIPTION

I GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING INTERSECTION CONTROL BEACON TO A FULL PART TIME SIGNAL AT THE INTERSECTION OF MD 213 AND BOHEMIA MANOR HIGH SCHOOL IN CECIL COUNTY, MD 213 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II INTERSECTION OPERATION

THE INTERSECTION IS CONTROLLED BY AN ICB, WITH ALTERNATING YELLOW FLASHING FOR THE MD 213 APPROACHES AND A FLASHING RED FOR THE ENTRANCE TO BOHEMIA MANOR HIGH SCHOOL. THE EXISTING ICB WILL BE MODIFIED TO BECOME A FULL PART TIME SIGNAL. WHEN NOT IN FLASHING OPERATION THE INTERSECTION WILL OPERATE AS A THREE-PHASE SEMI-ACTUATED MODE WITH THE MD 213 APPROACHES RUNNING CONCURRENTLY. THE ENTRANCE TO BOHEMIA MANOR HIGH SCHOOL WILL OPERATE ALONE.

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7941 CONNELLY DRIVE, HANOVER, MARYLAND 21076.

QUANTITY DESCRIPTION

ALL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 2 ARE AS FOLLOWS:

MR. ROBERT KIEL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-810-3240

MR. JEFFREY T. AMORILLO
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-810-3270

MR. TERRY O. WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-810-3250

MR. BARRY CLOTHIER
ASSISTANT DISTRICT ENGINEER - UTILITIES
410-810-3275

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY:

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7630

MR. ED RODENHIZER
TEAM LEADER - SIGNAL OPERATIONS
410-787-7650

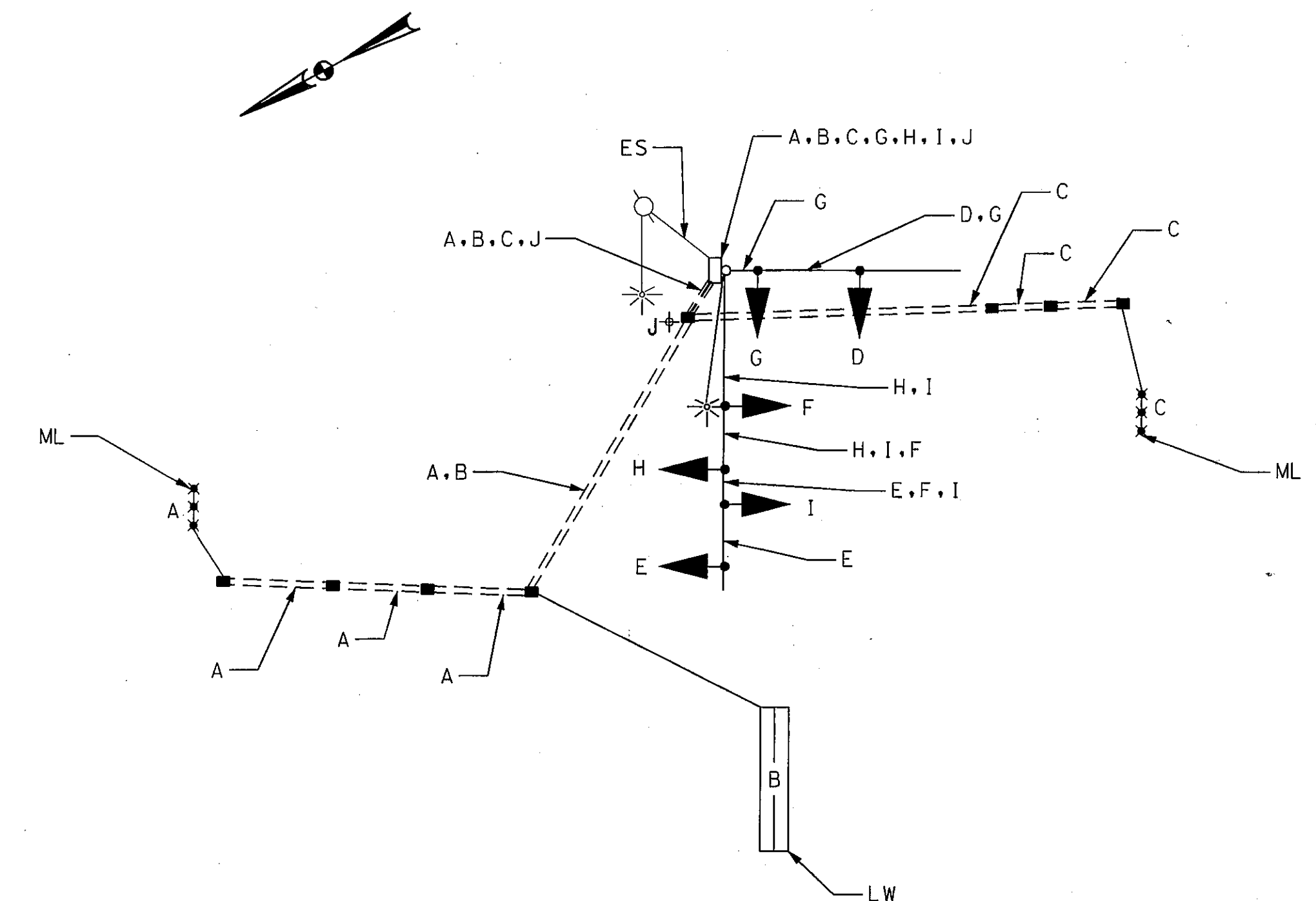
MR. EUGENE BAILEY
TEAM LEADER - SIGN OPERATIONS
410-787-7676

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9001	1 EA	FOUR CHANNEL LOOP DETECTOR (RACK MOUNT)
9005	44.5 SF	SHEET ALUMINUM GROUND MOUNT SIGN 3-EACH W3-3 "SIGNAL AHEAD SIGN" BLACK / YELLOW WITH NEW PANEL 30" x 30" AND FLAGS

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5005	50 LF	FURNISH AND INSTALL 24 INCH WHITE THERMOPLASTIC HEAT APPLIED PAVEMENT MARKING
5006	1850 LF	FURNISH AND INSTALL 5 INCH WHITE THERMOPLASTIC HEAT APPLIED PAVEMENT MARKING
5007	2625 LF	FURNISH AND INSTALL 5 INCH YELLOW THERMOPLASTIC HEAT APPLIED PAVEMENT MARKING
5008	1575 LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS - ANY WIDTH
8011	18 EA	FURNISH AND INSTALL 12 INCH VEHICULAR SIGNAL HEAD SECTION
8042	1 EA	FURNISH AND INSTALL CONDUIT (UP TO 4 INCHES) BEND IN EXISTING FOUNDATION
8048	1 EA	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT PER ASSIGNMENT
8051	750 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 PVC CONDUIT-TRENCHED
8053	20 LF	FURNISH AND INSTALL 4 INCH SCHEDULE 80 PVC CONDUIT-TRENCHED
8058	32 LF	FURNISH AND INSTALL WOOD SIGN SUPPORT 4 INCH BY 4 INCH
8060	20 LF	FURNISH AND INSTALL NO. 6 AWG STRAND BARE COPPER GROUND WIRE
8062	10 LF	FURNISH AND INSTALL 1" GALVANIZED ELECTRICAL CONDUIT(WIRE SLEEVE)
8064	170 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 PVC CONDUIT-BORED
8068	10 LF	FURNISH AND INSTALL 1" LIQUID TIGHT, FLEXIBLE, NON-METALLIC ELECTRICAL CONDUIT (WIRE SLEEVE)
8072	9 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8074	18 SF	INSTALL GROUND MOUNT SIGN
8080	1 EA	FURNISH AND INSTALL GROUND ROD 3/4 INCH DIAMETER BY 10 FEET LENGTH
8081	120 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (ALUMINUM SHIELDED)
8084	75 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 AWG)
8085	160 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 AWG)
8087	490 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEX TUBING (NO. 14 AWG)
8088	190 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
NEG.	452 LF	FURNISH AND INSTALL W6x9 STEEL POST FOR GUARD RAIL POST AND SPLICE



WIRING KEY

A - C	- 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) (ALUMINUM SHIELDED)
D - F	- 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
G - I	- 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
J	- STRADED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
ML	- MICRO LOOP PROBE
LW	- LOOP WIRE
+	- 3/4 IN. x 10 FT. GROUND ROD
ES	- EXISTING OVERHEAD SERVICE

SHA#: CEST4459/653 TOT#: XX10051-410

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 213 AND BOHEMIA MANOR HIGH SCHOOL

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

DRAWN BY: COD	F.A.P. NO. DLA	S.H.A. NO. XX1065185	TS NO. 3793 B	SHEET NO.
CHECKED BY: DLA	SCALE: NONE	COUNTY: CECIL	T.I.M.S. NO. F782	2 OF 4
DATE: 9/01/2003	LOG MILE: 07021308.18			